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1 1. A wireless peripheral for a receiver comprising:
2 a housing;
3 a keyboard defined on said housing; and
4 a pair of wireless interfaces that transmit
5 wireless signals directed at sufficiently spaced angles
6 with respect to one another to enable said receiver to
7 distinguish one of said signals from the other of said
8 signals.

1 2. The peripheral of claim 1 wherein said housing
2 includes a pair of opposed sides, a keyboard being situated
3 on each of said sides.

1 3. The peripheral of claim 2 including a wireless
2 interface associated with each of said keyboards.

1 4. The peripheral of claim 2 wherein one of said
2 keyboards operates as a remote control unit and the other
3 of said keyboards operates as a text entry keyboard.

1 5. The peripheral of claim 4 wherein said text entry
2 keyboard is a qwerty keyboard.

1 6. The peripheral of claim 1 including a controller
2 coupled to said interfaces and said keyboard.

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1 7. The peripheral of claim 6 wherein said wireless
2 interfaces are infrared interfaces.

1 8. The peripheral of claim 1 wherein said interfaces
2 are angled sufficiently such that only one of said signals
3 is detected by said receiver.

1 9. The peripheral of claim 8 wherein said interfaces
2 are oriented to generate wireless signals at an angle of
3 greater than 45° from one another.

1 10. The peripheral of claim 1 wherein said keyboard
2 has at least two different orientations, such that when
3 said keyboard is arranged relative to a user in each of
4 said orientations, a different one of said interfaces is
5 aligned with said receiver.

1 11. A method comprising:
2 providing at least two modes for a wireless
3 device; and
4 selecting one of said modes for said wireless
5 device based on the orientation of said wireless device.

1 12. The method of claim 11 including using said
2 wireless device to control a processor-based system.

1 13. The method of claim 12 including providing a
2 housing having sides and a keyboard on each side of said
3 housing and controlling said processor-based system from
4 one of said keyboards depending on the orientation of the
5 keyboard with respect to the user.

1 14. The method of claim 13 including providing a pair
2 of wireless interfaces angularly oriented with respect to
3 each other on said housing, each of said interfaces
4 associated with a keyboard.

1 15. The method of claim 14 including controlling a
2 television receiver.

1 16. The method of claim 15 including providing remote
2 control unit commands in one orientation of said device and
3 providing text entry commands in another orientation of
4 said device.

1 17. The method of claim 12 including providing a pair
2 of wireless interfaces each oriented at an angle with
3 respect to one another such that when the device is used in
4 one of two orientations, a different interface is
5 automatically aligned with the system.